



TITLE: Pharmaceutical Compositions and Methods  
to Vaccinate Against Disseminated Candidiasis  
INVENTOR(S): John E. Edwards, et al.  
APPLICATION NO.: 09/715,876  
ATTY REFERENCE: 13361.4001

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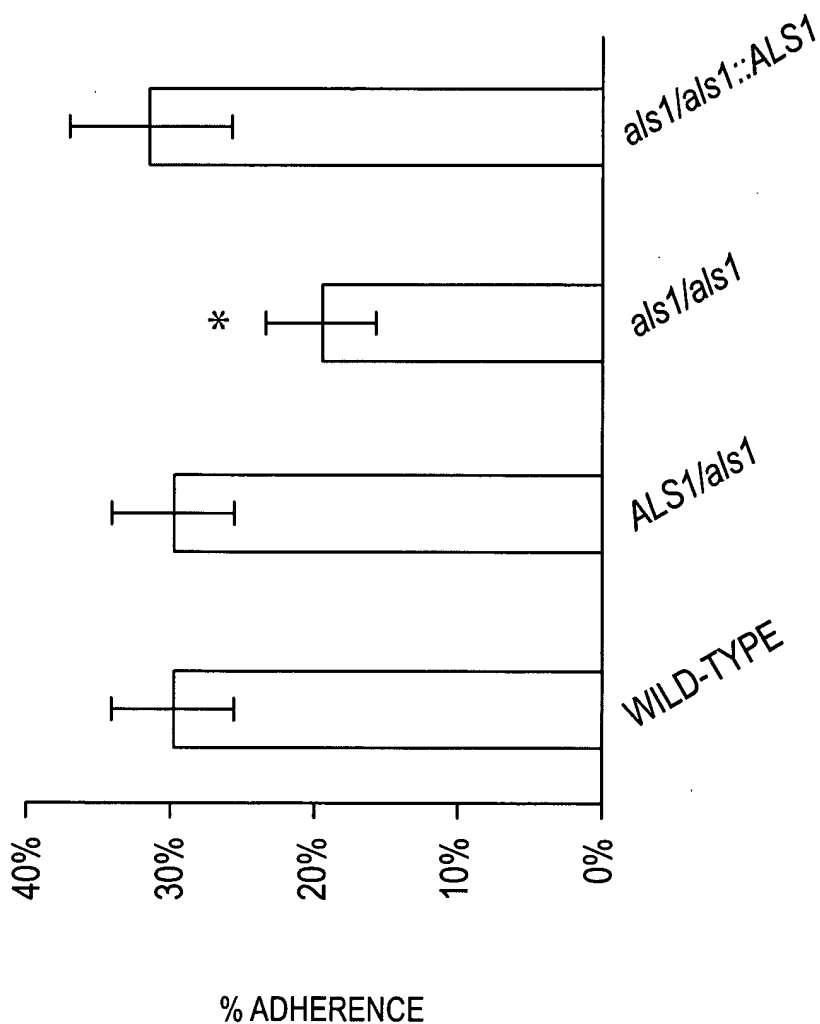


FIG. 1A



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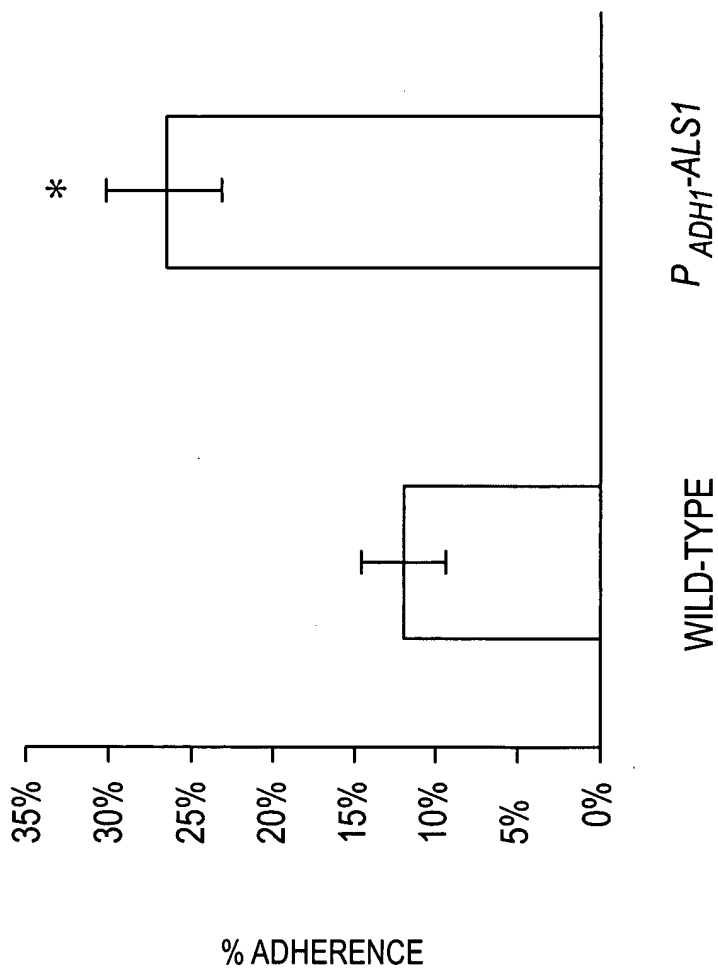


FIG. 1B



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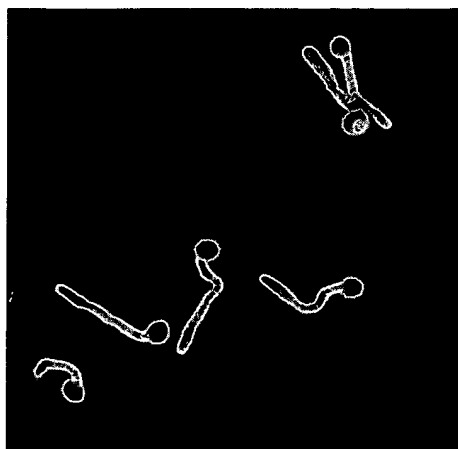


FIG. 2A

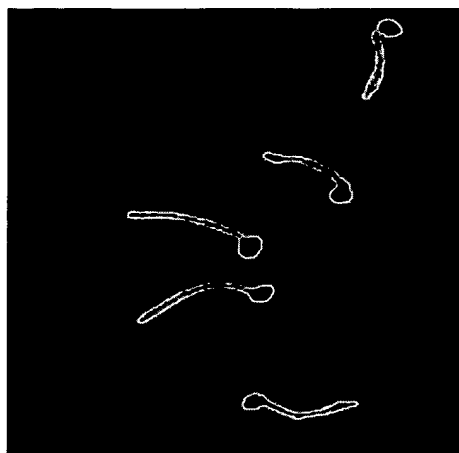


FIG. 2B



FIG. 2C

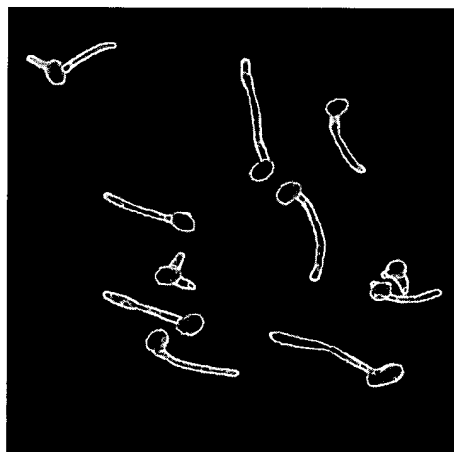


FIG. 2D



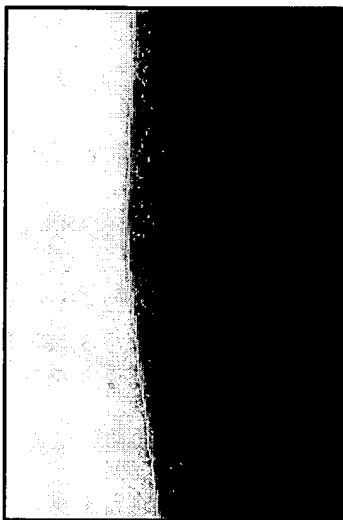
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als1/als1::ALS1



als1/als1



WILD-TYPE

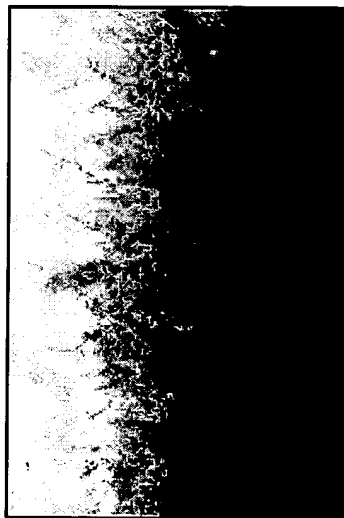


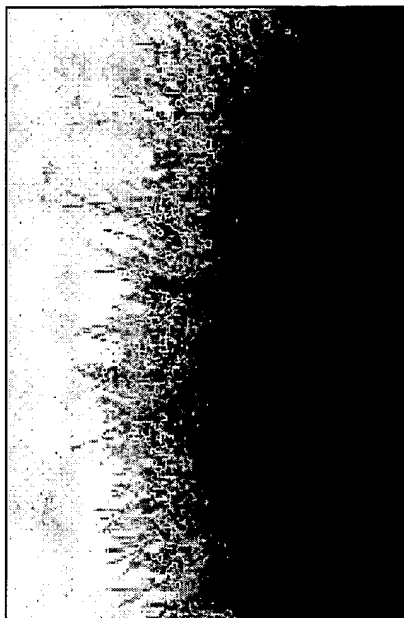
FIG. 3A



TITLE: Pharmaceutical Compositions and Methods  
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P<sub>ADH1</sub>-ALS1



WILD-TYPE



FIG. 3B



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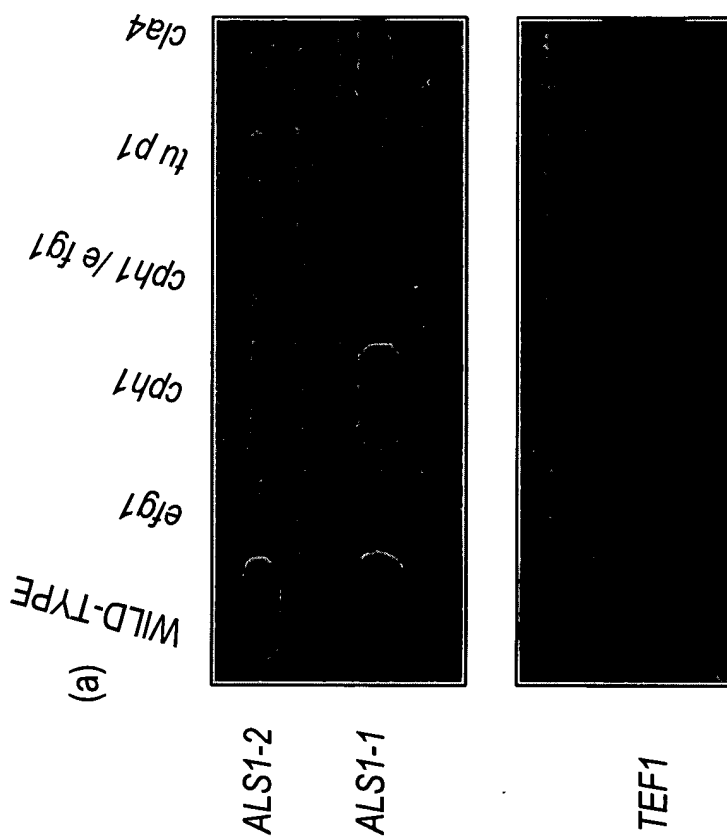
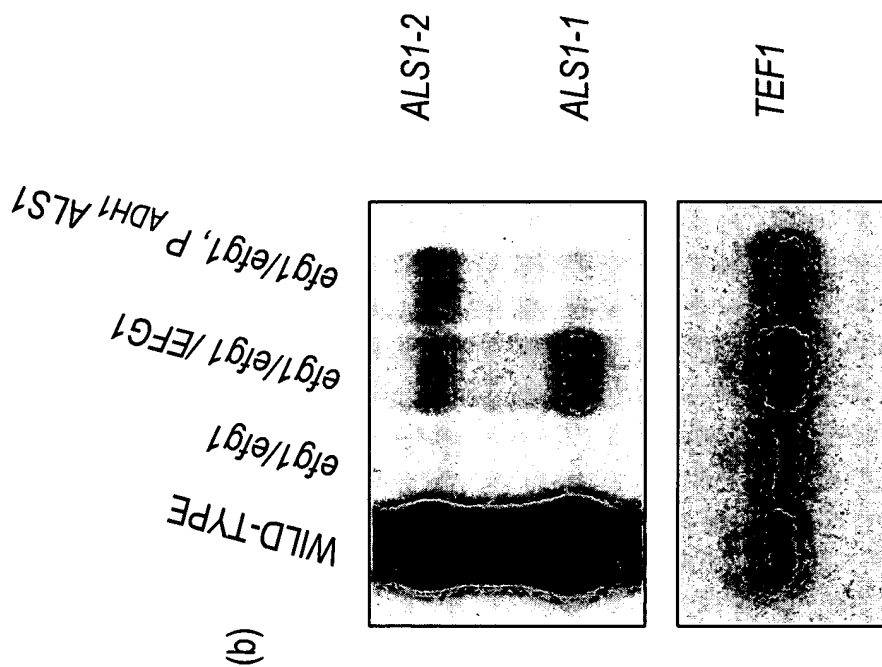


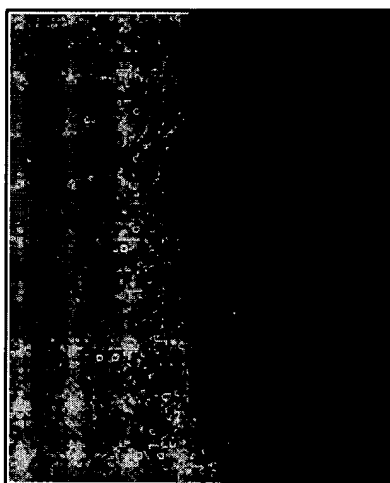
FIG. 4A



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efg1/efg1/ $P_{ADH1}$  ALS1



efg1/efg1

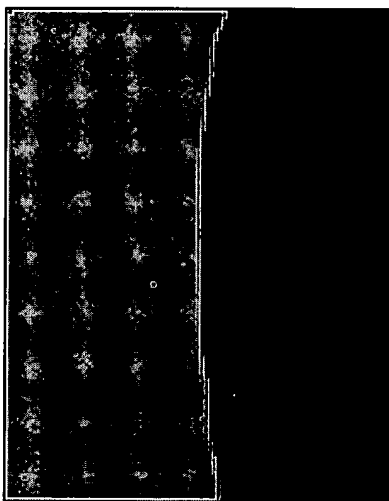


FIG. 4B



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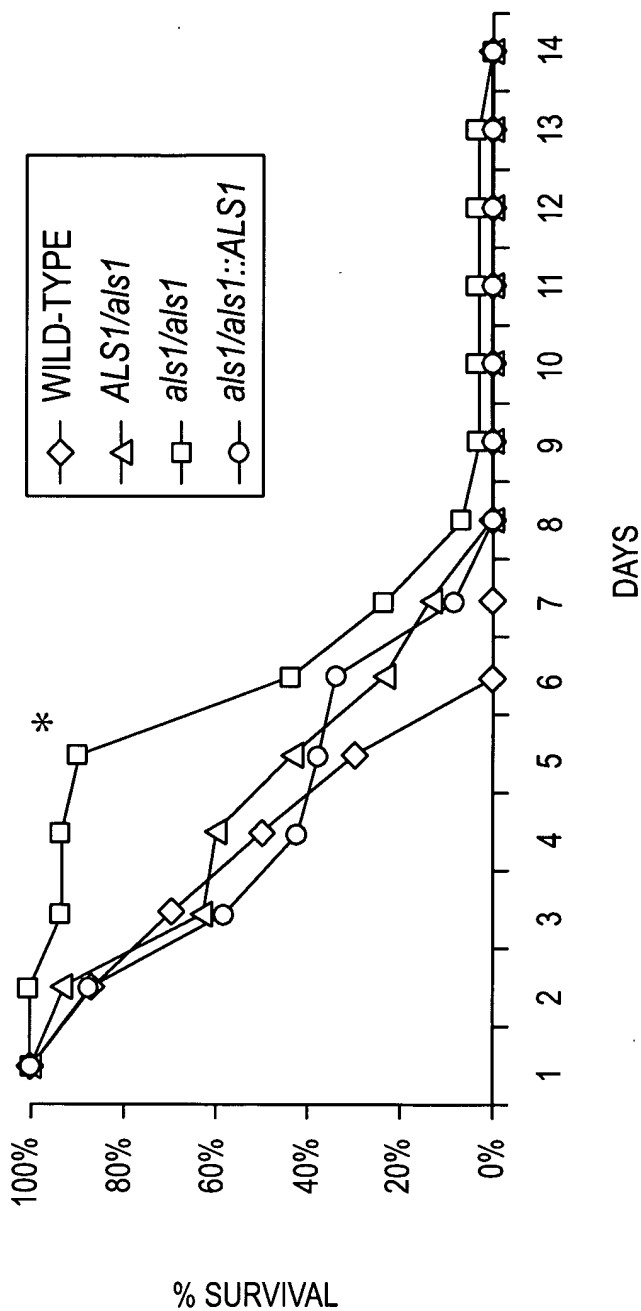


FIG. 5A





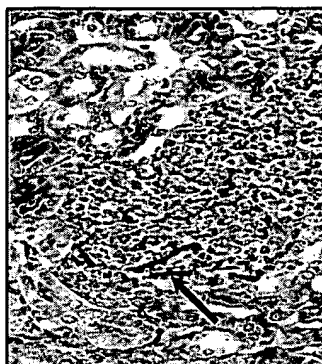
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als1/als1::ALS1



als1/als1::ALS1



als1/als1



als1/als1



WILD-TYPE



WILD-TYPE



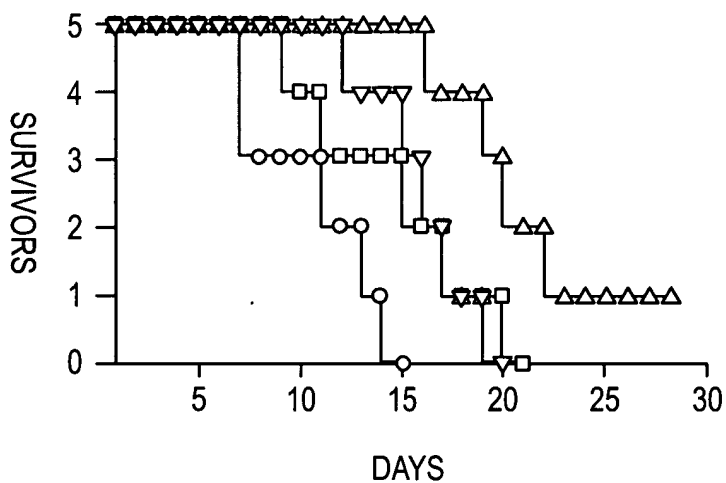
FIG. 5B



TITLE: Pharmaceutical Compositions and Methods  
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Prophylactic effect of antiALS antibody  
against disseminated candidiasis



	MST (days)
—○— DPBS	11.4 ± 3.3
—□— NRS (PB) <sup>1</sup>	15.4 ± 4.4
—△— S <sup>2</sup> -antiALS	22.0 ± 4.5
—▽— I <sup>3</sup> -antiALS	16.8 ± 2.6

FIG. 6



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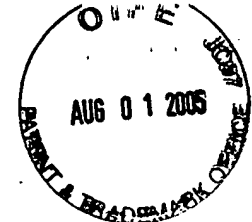
FIG. 7

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1 ATGCTTCAACAATTTACATTGTTATTCCTATATTTGTCAATTGCAAGTGCAAAGACAATC  
1 M L Q Q F T L L F L Y L S I A S A K T I  
  
61 ACTGGTGTGTTTGGATAGTTTTAATTCATTAACCTGGTCCAATGCTGCTAATTATGCTTTC  
21 T G V F D S F N S L T W S N A A N Y A F  
  
121 AAAGGGCCAGGATACCCAACCTGGAATGCTGTTTGGGTTGGTCCCTTAGATGGTACCAGT  
41 K G P G Y P T W N A V L G W S L D G T S  
  
181 GCCAATCCAGGGGATACATTACATTGAATATGCCATGTGTGTTTAAATATACTACTTCA  
61 A N P G D T F T L N M P C V F K Y T T S  
  
241 CAAACATCTGTTGATTAACTGCCGATGGTGTAAATATGCTACTTGTCAATTTTATTCT  
81 Q T S V D L T A D G V K Y A T C Q F Y S  
  
301 GGTGAAGAATTCACAACCTTTTCTACATTAACATGTACTGTGAACGACGCTTTGAAATCA  
101 G E E F T T F S T L T C T V N D A L K S  
  
361 TCCATTAAGGCATTTGGTACAGTTACTTTACCAATTGCATTCAATGTTGGTGAACAGGT  
121 S I K A F G T V T L P I A F N V G G T G  
  
421 TCATCAACTGATTGGAAGATTCTAAATGTTTACTGCTGGTACCAATACAGTCACATTT  
141 S S T D L E D S K C F T A G T N T V T F  
  
481 AATGATGGTGATAAAGATATCTCAATTGATGTTGAGTTTGAAGTCAACCGTTGATCCA  
161 N D G D K D I S I D V E F E K S T V D P  
  
541 AGTGCATATTTGTATGCTTCCAGAGTTATGCCAAGTCTCAATAAGGTCACAACCTCTTTT  
181 S A Y L Y A S R V M P S L N K V T T L F  
  
601 GTGGCACCACAATGTGAAATGGTTACACATCTGGTACAATGGGTTCTCCAGTAGTAAC  
201 V A P Q C E N G Y T S G T M G F S S S N  
  
661 GGTGACGTTGCTATTGATTGCTCAAATATTCATATTGGTATCACAAAAGGATTAAATGAT  
221 G D V A I D C S N I H I G I T K G L N D  
  
721 TGGAATTATCCGGTTTCATCTGAATCATTTAGTTACACTAAACTGTACATCTAATGGA  
241 W N Y P V S S E S F S Y T K T C T S N G  
  
781 ATTCAGATTAAATATCAAAATGTACCTGCTGTTATCGTCCATTTATTGATGCTTATATT  
261 I Q I K Y Q N V P A G Y R P F I D A Y I  
  
841 TCTGCTACAGATGTTAACCAATATACTTTAGCATATACCAATGATTATACTTGTGCTGGC  
281 S A T D V N Q Y T L A Y T N D Y T C A G  
  
901 AGTCGTCTGCAAAGTAAACCTTTCACTTTAAGATGGACTGGATACAAGAATAGTGATGCC  
303 S R L Q S K P F T L R W T G Y K N S D A  
  
961 GGATCTAACGGTATTGTCATTGTTGCTACAACCTAGAACAGTTACAGACAGTACCACTGCT  
321 G S N G I V I V A T T R T V T D S T T A  
  
1021 GTCACTACTTTACCATTCAATCCAAGTGTGATAAAACCAAAACAATCGAAATTTTGCAA

FIG. 7A

CONTINUED ON FIGURE 7B



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FIG. 7

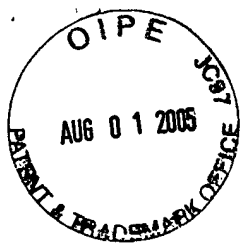
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CONTINUED FROM FIGURE 7A

341 V T T L P F N P S V D K T K T I E I L Q  
1081 CCTATTCCAACCACTACCATCACAACCTTCATATGTTGGTGTGACTACTTCCTATCTGACT  
361 P I P T T T I T T S Y V G V T T S Y L T  
1141 AAGACTGCACCAATTGGTGAAACAGCTACTGTTATTGTTGATGTGCCATATCATACTACC  
381 K T A P I G E T A T V I V D V P Y H T T  
1201 ACAACTGTTACCAGTGAATGGACAGGAACAATCACTACCACCACAACCTCGTACCAATCCA  
401 T T V T S E W T G T I T T T T T R T N P  
1261 ACTGATTCAATTGACACAGTGGTGGTACAAGTTCCTACTGCCAAATCCAACCTGTTAGTACT  
421 T D S I D T V V V Q V P L P N P T V S T  
1321 ACTGAATATTGGTCTCAGTCCTTTGCTACAACCACTACAGTTACTGCTCCTCCAGGTGGT  
441 T E Y W S Q S F A T T T T V T A P P G G  
1381 ACCGATACTGTGATTATCAGAGAGCCACCAACCACTACTGTCACTACTACTGAATATTGG  
461 T D T V I I R E P P N H T V T T T E Y W  
1441 TCACAATCCTTTGCTACTACTACTACTGTTACTGCTCCTCCAGGTGGTACTGACTCAGTA  
481 S Q S F A T T T T V T A P P G G T D S V  
1501 ATTATCAGAGAACCACCAATCCAACCTGTCACTACAACCGAGTATTGGTCTCAATCCTTT  
501 I I R E P P N P T V T T T E Y W S Q S F  
1561 GCTACTACTACTACAGTTACTGCTCCTCCAGGTGGTACTGACTCAGTAATTATCAGAGAA  
521 A T T T T V T A P P G G T D S V I I R E  
1621 CCTCCAAACCAACTGTCAACCACTGAATATTGGTCCCAATCTTACGCAACCACAAC  
541 P P N P T V T T T E Y W S Q S Y A T T T  
1681 ACTGTGACTGCTCCTCCAGGAGGCACTGACTCAGTAATTATCAGAGAACCACCAACCAAC  
561 T V T A P P G G T D S V I I R E P P N H  
1741 ACTGTCACTACTACTGAATACTGGTCACAATCATATGCCACCACTACCCTGTAACCTGCA  
581 T V T T T E Y W S Q S Y A T T T T V T A  
1801 CCACCAGGTGGTACTGACACTGTTATCATTAGAGAGCCACCAACCACTGTCACTACT  
601 P P G G T D T V I I R E P P N H T V T T  
1861 ACTGAGTATTGGTCTCAATCGTTTGTACTACTACCACAACCTGTAACCTGGTCCCAAGTGGC  
621 T E Y W S Q S F A T T T T V T G P P S G  
1921 ACTGATACTGTTATCATTAGGGAACCACCAACCAACCTGTCAACCACTACTGAATACTGG  
641 T D T V I I R E P P N P T V T T T E Y W  
1981 TCTCAATCATATGCAACCACTACTACCATTACCGCTCCACCTGGTGAACTGATACCGTT  
661 S Q S Y A T T T T I T A P P G E T D T V  
2041 CTTATCAGAGAGCCACCAACCACTGTCACTACTACTGAATACTGGTCTCAATCATAT  
681 L I R E P P N H T V T T T E Y W S Q S Y  
2101 GCTACAACCACCACTGTTACTGCACCACCTGGTGAAACCGATACCGTTCTTATCAGAGAG  
701 A T T T T V T A P P G E T D T V L I R E  
2161 CCACCAACCACTACTGTCACTACTACTGAATACTGGTCTCAATCATATGCTACAACCACC

FIG. 7B

CONTINUED ON FIGURE 7C



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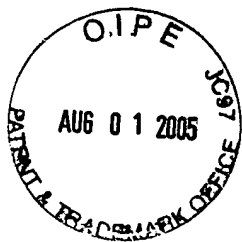
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CONTINUED FROM FIGURE 7B

721 P P N H T V T T T E Y W S Q S Y A T T T  
2221 ACTGTTACTGCACCACCAGGTGGTACCGATACTGTTATCATTAGAGAGCCACCAATCCA  
741 T V T A P P G G T D T V I I R E P P N P  
2281 ACAGTTACTACTACTGAATATTGGTCACAATCATTTGCCACAACCACCACAGTTACTGCT  
761 T V T T T E Y W S Q S F A T T T T V T A  
2341 CCTCCAGGTGGTACTGACACTGTGATTATCTATGAAAGCATGTCAAGTTCAAAGATTCT  
781 P P G G T D T V I I Y E S M S S S K I S  
2401 ACATCCTCCAATGATATAACCAGTATCATTCCATCATTTTCCCGTCCTCATTATGTCAAC  
801 T S S N D I T S I I P S F S R P H Y V N  
2461 AGCACAACTCCGATTGTGCAACATTGAATCTTCATCCATGAATACTCCTACTTCTATC  
821 S T T S D L S T F E S S S M N T P T S I  
2521 AGTAGTGATGGTATGTTGTTGCTTCTACAACCTTTGGTTACTGAATCAGAAACAACACTACA  
841 S S D G M L L S S T T L V T E S E T T T  
2581 GAACTGATTTGCAGTGATGGTAAAGAGTGTCTAGATTGTCCAGTTCTTCTGGTATTGTC  
861 E L I C S D G K E C S R L S S S S G I V  
2641 ACAATCCAGATAGCAATGAATCCTCAATCGTAAGTACTGTTCTACTGCAAGTACA  
881 T N P D S N E S S I V T S T V P T A S T  
2701 ATGCTGATTCACCTTTCTTCAACTGATGGTATTAGTGCTACATCTTCTGATAATGTTTCA  
901 M S D S L S S T D G I S A T S S D N V S  
2761 AAATCAGGAGTATCAGTTACAACCGAACTTCTGTTACAACATTTCAAACACTCTCCAAAC  
921 K S G V S V T T E T S V T T I Q T T P N  
2821 CCATTATCATCTTCAGTGACATCATTTGACTCAGTTGTCTTCAATTCCAAGTGTTCAGAA  
941 P L S S S V T S L T Q L S S I P S V S E  
2881 AGTGAAAGTAAAGTTACATTTACAAGCAATGGAGACAACCAAGTGGTACTCATGATTCA  
961 S E S K V T F T S N G D N Q S G T H D S  
2941 CAATCTACTTCCACTGAAATTGAAATTGTAACAACCAAGTTCTACTAAAGTTTACCACCT  
981 Q S T S T E I E I V T T S S T K V L P P  
3001 GTCGTTTCTTCTAATACTGATTTGACTAGTGAACCAACAAATACCAGAGAACAACCAACT  
1001 V V S S N T D L T S E P T N T R E Q P T  
3061 ACATTATCAACTACTTCAAACCTCCATCACTGAAGATATCACCACATCTCAACCTACAGGT  
1021 T L S T T S N S I T E D I T T S Q P T G  
3121 GATAATGGAGACAATACTTCAACCAATCCAGTTCCAAGTGTGGCAACAAGTACTTTA  
1041 D N G D N T S S T N P V P T V A T S T L  
3181 GCATCTGCAAGTGAAGAAGACAACAAAAGCGGTTCTCATGAATCAGCATCCACAAGTTTG  
1061 A S A S E E D N K S G S H E S A S T S L  
3241 AAACCAAGTATGGGTGAAAATTCTGGATTAACACTTCTACTGAAATTGAAGCTACAACA  
1081 K P S M G E N S G L T T S T E I E A T T  
3301 ACCAGTCCTACAGAAGCTCCATCACCTGCTGTTTCTTCTGGTACTGATGTAACACTACTGAA

FIG. 7C

CONTINUED ON FIGURE 7D



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FIG. 7

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CONTINUED FROM FIGURE 7C

1101 T S P T E A P S P A V S S G T D V T T E  
3361 CCAACTGATACTAGAGAACAACCTACTACATTATCAACTACTTCAAAAACAAACAGTGAA  
1121 P T D T R E Q P T T L S T T S K T N S E  
3421 CTGGTTGCTACTACACAAGCTACTAATGAAAATGGTGGTAAATCTCCATCAACTGATTTA  
1141 L V A T T Q A T N E N G G K S P S T D L  
3481 ACATCAAGCTTGACAACAGGCACCTCAGCATCTACAAGTGCTAATAGCGAACTTGTTACT  
1161 T S S L T T G T S A S T S A N S E L V T  
3541 AGTGGATCTGTTACTGGTGGAGCTGTTGCCAGTGCTTCAAATGATCAATCACATTCTACT  
1181 S G S V T G G A V A S A S N D Q S H S T  
3601 TCTGTTACCAACAGCAACAGCATTGTATCTAATACCCACAACTACATTGAGTCAACAA  
1201 S V T N S N S I V S N T P Q T T L S Q Q  
3661 GTTACCTCATCCTCACCTTCAACCAACACATTTCATTGCTTCTACATACGATGGCTCTGGT  
1221 V T S S S P S T N T F I A S T Y D G S G  
3721 TCTATTATCCAACATTCTACTTGGTTGTACGGTTTGATCACATTATTGTCCTTGTTCATT  
1241 S I I Q H S T W L Y G L I T L L S L F I  
3781 TAGTGA  
1261 \* \*

FIG. 7D